



ENVIRONMENTAL CONSULTING • GEOTECHNICAL ENGINEERING • CONSTRUCTION MATERIALS TESTING

PN: 16813

August 17, 2009

Ms. Ann Bentley
John F. Murphy Homes
800 Center Street
Auburn, Maine 04210

Re: Limited Subsurface Investigation
144 Montello Street
Lewiston, Maine

Dear Ms. Bentley:

Summit Environmental Consultants, Inc. (Summit) is pleased to submit this Phase II Limited Subsurface Investigation report to John F. Murphy Homes, Inc. (JFMH) for the 144 Montello Street property in Lewiston, Maine (Site). See Figure 1 for a Site Location Plan. The Scope of Work for the project was based upon the recommendations made within the Phase I Environmental Site Assessment (ESA) completed on your behalf by Summit on April 2, 2009.

Background

Summit Environmental Consultants, Inc. (Summit) completed a Phase I Environmental Site Assessment (ESA) on the undeveloped property located at 144 Montello Street, Lewiston, Maine on April 2, 2009. The ESA revealed no evidence of "Recognized Environmental Conditions" in connection with the Site; however, based on site visit, historic research, and interviews; the following recommendations were made by Summit:

- It is recommended due to the unknown source and extent of past fill activities on the Site that further investigation may be required if future plans require excavation of the filled areas.

Based upon the unknown source(s) and extent of past fill activities JFMH, authorized Summit to perform a limited test pit investigation.

On July 6, 2009, Summit conducted a limited test pit investigation at the Site to identify the composition and extent of fill material on the Site. Five tests pits were located throughout what was believed to be the fill area. Two soil samples were taken from each test pit and field screened for the presence of total organic vapors (TOVs) using a MiniRae, Inc.® "MiniRae 2000" field-portable photoionization detector (PID) equipped with a 10.6 eV probe. Hazardous materials and/or petroleum products (e.g., odors, stains, sheens) were not noted in any of the test pits; however, PID responses above background levels were recorded for several soil samples (0.6 parts per million (ppm) to 27.3 ppm). However, Summit recommended that due to the unknown source of the fill, additional characterization (analytical data) would be required to more thoroughly assess potential impacts and/or to provide data if the material is to be removed from the Site.

Lewiston:

640 Main Street • Lewiston, ME 04240
Tel: (207) 795-6009 • Fax: (207) 795-6128

Bangor:

8 Harlow St., Suite 4A • Bangor, ME 04401
Tel: (207) 262-9040 • Fax: (207) 262-9080

Augusta:

434 Cony Road • Augusta, ME 04330
Tel: (207) 621-8334 • Fax: (207) 626-9094

Portland:

1 Industrial Way, Suite 7 • Portland, ME 04103
Tel: (207) 221-6360 • Fax: (207) 221-6146

Based upon the unknown source(s) and extent of past fill activities JFMH, authorized Summit to perform a limited Phase II Limited Subsurface Investigation (LSI).

Phase II Limited Subsurface Investigation (LSI)

On July 23, 2009 Summit oversaw the completion of seven test pits (TP-1 through TP-7) by G. M. Morin Enterprises, a local contractor, located within the footprint of the proposed Site building and within the parking area. See Figure 2 for a Site Plan. Photos are included in Attachment A. In each location Summit collected soil samples at approximately 1.5 feet and 3.5 feet below ground surface (BGS) and field screened them for the presence of total organic vapors (TOVs) using a MiniRae® 2000 field-portable photoionization detector (PID) equipped with a 10.6 eV probe, calibrated for isobutylene in accordance with the manufacturer's specifications. PID results are included on the Test Pit Logs in Attachment B.

TP-1 was excavated at the southwest corner of the proposed building location. The top three feet of soil was observed to be brown silty-sand and clay (fill). Native material in the form of decomposing roots was observed at 3.5 BGS. Below the roots, sandy silt grading to silt and clay were observed to five feet. PID readings ranged from 12.7 parts per million (ppm) at approximately 1.5 feet below ground surface (BGS) to 12.3 ppm at a depth of approximately 4 feet BGS. The test pit was terminated at 5 feet BGS and backfilled. No unusual conditions were noted within test pit.

TP-2 was excavated at the center of the proposed building. The top four feet of soil was observed to be brown silty-sand and clay with minor amounts of asphalt. Decomposing roots were observed at four feet BGS. Below the roots, sandy silt grading to silt and clay were observed to five feet. PID readings ranged from 13.8 ppm at approximately 1.5 feet BGS to 14.2 ppm at a depth of approximately 3.5 feet BGS. The test pit was excavated to a depth of 5 feet BGS and backfilled. A slight petroleum-type odor was noted within this test pit from approximately 6" to 3.5 feet BGS.

TP-3 was excavated at the northwest corner of the proposed building. The top 4.5 feet of soil was observed to be brown silty-sand and clay with minor amounts of asphalt. Decomposing roots were observed at 4.5 feet BGS. Below the roots, sandy silt grading to silt and clay were observed to five feet. PID readings ranged from 13.3 ppm at 1.75 feet BGS to 8.6 ppm at 3.5 feet BGS. The test pit was excavated to a depth of 5 feet BGS and backfilled. No unusual conditions were noted within test pit.

TP-4 was excavated at approximately ten feet south of the northeast corner of the proposed building. The top 4.5 feet of soil was observed to be brown silty-sand and clay with minor amounts of asphalt. Decomposing roots were observed at 4.5 feet BGS. Below the roots, sandy silt grading to silt and clay were observed to 5.5 feet BGS. PID readings ranged from 9.8 ppm at 1.5 feet BGS and 6.3 ppm at 3.5 feet BGS. The test pit was excavated to a depth of 5.5 feet BGS and backfilled. A slight petroleum-type odor was observed from 1 foot to 3.5 feet BGS.

TP-5 was excavated approximately ten feet north of the southeast corner of the proposed site building. The observations made within TP-5 were consistent with those within TP-1-4 with exception of a decomposed grass layer observed at approximately 4 feet BGS and no asphalt

was observed. PID readings were 17.7 ppm at 2 feet BGS and 0.6 ppm at 3.5 feet BGS. A slight petroleum odor was noted within this test pit from approximately 2 feet BGS to 3.5 feet BGS. The test pit was excavated to a depth of 5 feet BGS.

TP-6 was excavated within the proposed parking area, approximately 25 feet east of TP-5. The observations within TP-6 were consistent with those within TP-5; however, water was noted at 5.5 feet BGS. PID readings were 11.1 ppm at 1.5 feet BGS and 5.4 ppm at 3 feet BGS. A slight petroleum odor was noted at approximately 1 to 3 feet BGS within this test pit.

TP-7 was excavated within the proposed parking area, approximately 25 feet southeast of TP-6. The top 3.5 feet of soil was observed to be brown silty-sand, clay and gravel. From approximately 3.5 feet to 4 feet BGS a wet, granular sandy layer was observed, underlain by brown, silty clay. The test pit was excavated to a depth of 5.5 feet BGS. PID readings were 0.8 ppm at 1.5 feet BGS and 4.7 ppm at 3 feet BGS. No unusual conditions were noted within this test pit.

Soil samples from TP-2, 3, 5 and 6 were submitted to Maine Environmental Laboratory of Yarmouth, Maine for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and RCRA metals.

Findings

Minor amounts of asphalt were observed in TP-2, 3 and 4. Summit estimated that approximately 2,800 cubic yards of fill has been placed on the Site. Each Soil sample result from TP-2, 3, 5 and 6 reported the presence of Polycyclic Aromatic Hydrocarbons (PAH), as well as naphthalene in TP-5A. PAHs are typically associated with the incomplete combustion of coal, coal tar or oils and can be present in ash or combustion residue. The presence of PAHs in each sample suggest that the fill material may have originated from an industrial site. However, no information concerning the source has been found.

The Maine Department of Environmental Protection (MEDEP) has established Remedial Action Guidelines (RAGs) for potentially contaminated soil. Although analytical results from the Site do not exceed the MEDEP guidelines, several reported concentrations are near the target guidelines. If this fill is to be removed from the Site, it will need to be disposed at a facility licensed to handle PAH impacted soil. Soil sample results are included in Attachment C.

Conclusions

Should JFMH wish to proceed with development of this Site, we recommend that a meeting be held with MEDEP to clearly identify the measures required to minimize potential risk to persons living at the Site. Measures could include removal of fill, placement in areas to minimize direct contact and/or covering the fill with sufficient "clean" fill to minimize direct contact with the fill material.

144 Montello Street, Lewiston, Maine

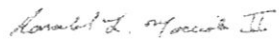
August 17, 2009

Page 4

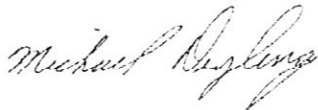
If you have any questions regarding the above information, please feel free to contact either of the undersigned at your convenience.

Sincerely;

SUMMIT ENVIRONMENTAL CONSULTANTS, INC.



Ronnie Mocchiola
Staff Scientist

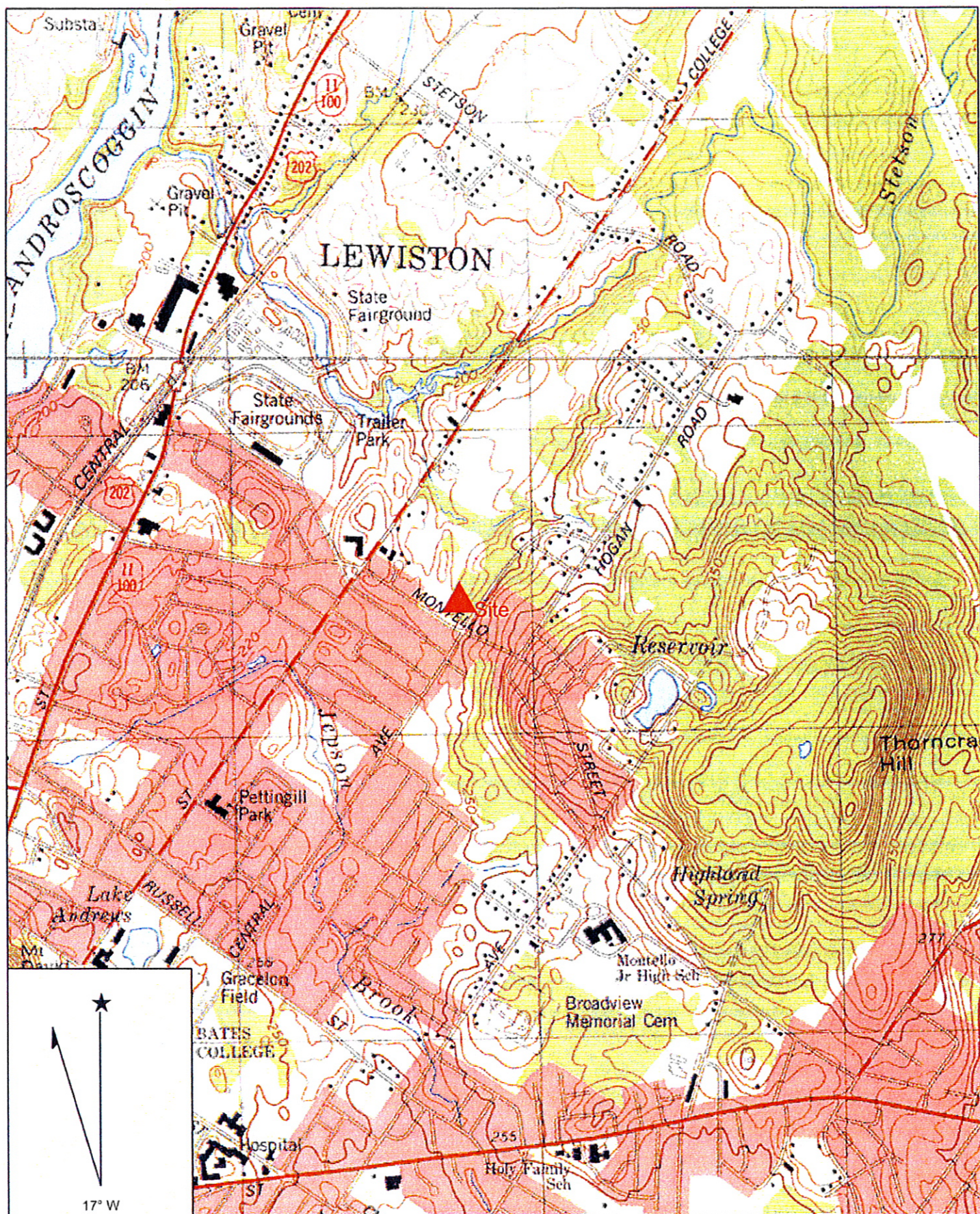


Michael A. Deyling, C.G., P. Hg.
Principal Hydrogeologist

Attachments

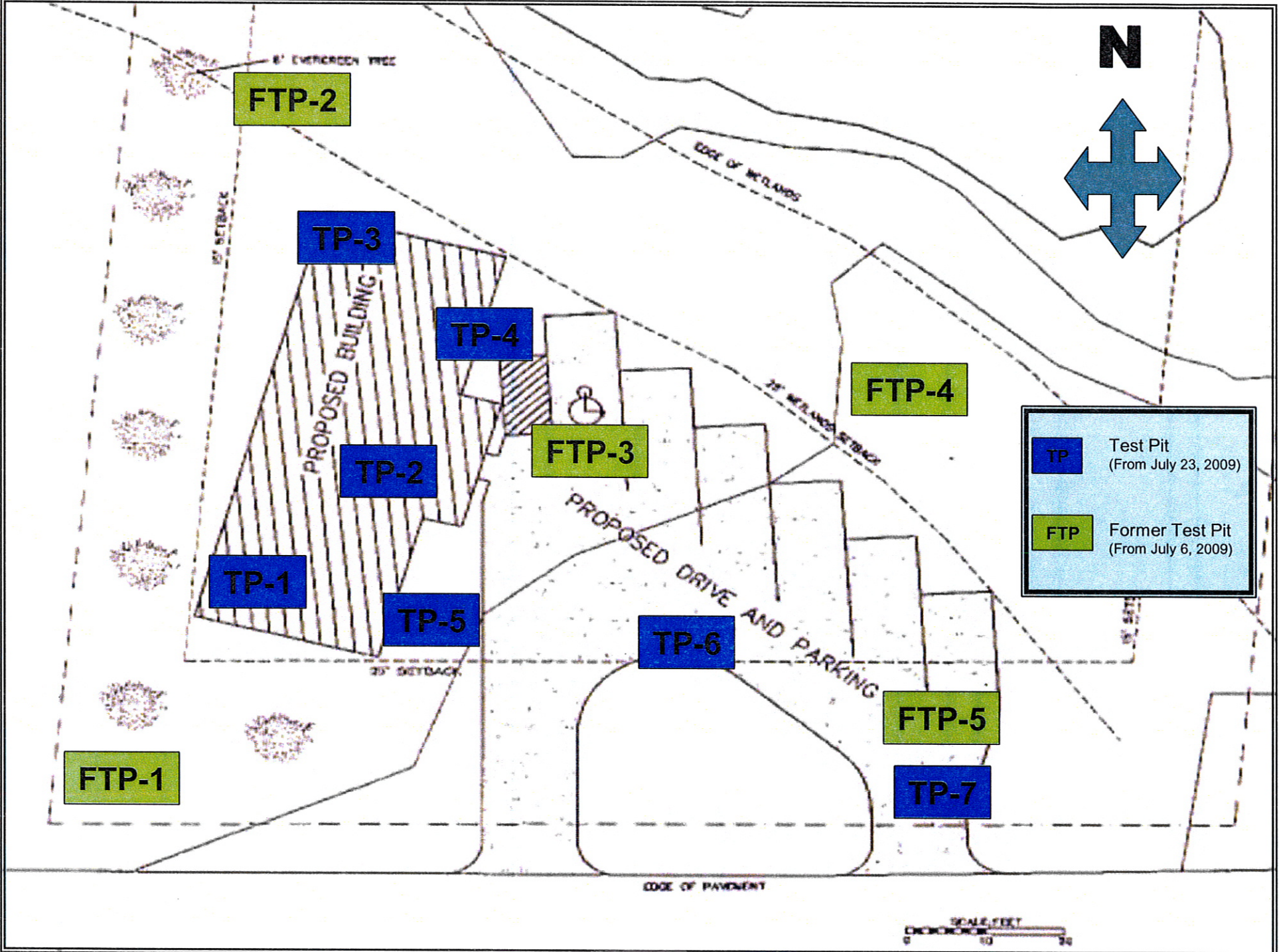
Figures

**Site Location
Site Plans**



Name: LEWISTON
 Date: 3/19/2009
 Scale: 1 inch equals 1333 feet

Location: 044° 07' 02.9" N 070° 11' 20.0" W
 Caption: Figure 1. Site Location Map
 144 Montello Street
 Lewiston, Maine



Appendix A

Site Photographs



PHOTOGRAPHIC LOG

Client Name: John F. Murphy Homes	Project No. 16813.1
Photo No. 1	 A photograph of a test pit (TP) showing a cross-section of soil. The soil is light brown and appears to be a mix of sand and silt. There are some roots visible in the soil, and a small amount of green grass is growing on the left side of the pit.
Date: August 17, 2009	
Site Location: 144 Montello Street Lewiston, Maine	

Photo No. 2	 A photograph of a test pit (TP) showing a cross-section of soil. The soil is light brown and appears to be a mix of sand and silt. There are some roots visible in the soil, and a blue pipe is visible on the right side of the pit.
Date: August 17, 2009	
Site Location: 144 Montello Street Lewiston, Maine	

Description: TP-4. Minor amounts of asphalt were found in TP-2, 3 and 4.
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PHOTOGRAPHIC LOG

Client Name: John F. Murphy Homes		Project No. 16813
Photo No. 3		
Date: August 17, 2009		
Site Location: 144 Montello Street Lewiston, Maine		
Description: TP-6. Water was noted at the bottom of TP-6 and 7.		

Photo No. 4		
Date: August 17, 2009		
Site Location: 144 Montello Street Lewiston, Maine		
Description: A thin, granular layer of wet sand near the bottom of TP-7.		

Appendix B

Test Pit Logs

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit # TP-1
		Project: 144 Montello Street Lewiston, Maine		Project # 16813
Contractor: Morin Enterprises		Location: Southwest corner of proposed building location		
Equipment: Excavator				
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny	
Depth (ft)	DESCRIPTION			
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)	
1	Brown silty-Sand and Clay	SILTY SAND AND CLAY		
2			1.5' = 12.7 ppmv	
3			4' = 12.3 ppmv	
4	Observed roots - brown silty-Sand	SANDY SILT		
5				
		SILT AND CLAY		
6	Bottom of test pit at 5' below ground surface (bgs)			
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
Notes:				

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit #	TP-2
		Project: 144 Montello Street Lewiston, Maine		Project #	16813
Contractor: Morin Enterprises		Location: Center of proposed building			
Equipment: Excavator					
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny		
Depth (ft)	DESCRIPTION				
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)		
1	Brown silty-Sand and Clay with minor amounts of asphalt	FILL			
2			1.5' = 13.8 ppmv		
3			3.5' = 14.2 ppmv		
4	Observed roots - brown Sandy Silt	SANDY SILT			
5		SILT AND CLAY			
6	Bottom of test pit at 5' below ground surface (bgs)				
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
Notes: Noted petroleum odor from approx. 6" to 3.5'					

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit #	TP-3
		Project: 144 Montello Street Lewiston, Maine		Project #	16813
Contractor: Morin Enterprises		Location: Northwest corner of proposed building			
Equipment: Excavator					
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny		
Depth (ft)	DESCRIPTION				
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)		
1	Brown silty-Sand and Clay with minor amounts of asphalt	FILL			
2			1.75' = 13.3 ppmv		
3			3.5' = 8.6 ppmv		
4	Observed roots - brown Sandy Silt	SANDY SILT SILT AND CLAY			
5					
	Bottom of test pit at 5' below ground surface (bgs)				
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Notes:					

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit # TP-4
		Project: 144 Montello Street Lewiston, Maine		Project # 16813
Contractor: Morin Enterprises		Location: 10' south of the northeast corner of the		
Equipment: Excavator		proposed building.		
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny	
Depth (ft)	DESCRIPTION			
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)	
1	Brown silty-Sand and Clay with minor amounts of asphalt	FILL		
2			1.5' = 9.8 ppmv	
3			3.5' = 6.3 ppmv	
4	Observed roots - brown Sandy Silt	SANDY SILT SILT AND CLAY		
5				
6			Bottom of test pit at 5.5' below ground surface (bgs)	
7				
8				
9				
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11				
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13				
14				
15				
16				
17				
18				
Notes: Noted petroleum odor from approx. 1 to 3.5'				

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit # TP-5
		Project: 144 Montello Street Lewiston, Maine		Project # 16813
Contractor: Morin Enterprises		Location: 10' north of the southeast corner of the		
Equipment: Excavator		proposed building.		
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny	
Depth (ft)	DESCRIPTION			
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)	
1	Brown silty-Sand and Clay	FILL		
2			2' = 17.7 ppmv	
3			3.5' = 0.6 ppmv	
4	Observed grass layer - brown Sandy Silt	SANDY SILT SILT AND CLAY		
5	Bottom of test pit at 5.5' below ground surface (bgs)			
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Notes: Noted petroleum odor from approx. 2 to 3.5'				

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit #	TP-6
		Project: 144 Montello Street Lewiston, Maine		Project #	16813
Contractor: Morin Enterprises		Location: 25' east of TP-5. Within proposed parking area.			
Equipment: Excavator					
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny		
Depth (ft)	DESCRIPTION				
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)		
1	Brown silty-Sand and Clay	FILL			
2			1.5' = 11.1 ppmv		
3			3' = 5.4 ppmv		
4	Observed grass layer - brown Sandy Silt	SANDY SILT SILT AND CLAY			
5					
6	Bottom of test pit at 5.5' below ground surface (bgs) (encountered water)				
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
Notes: Noted petroleum odor from approx. 1 to 3'					

SUMMIT ENVIRONMENTAL SERVICES, INC. 640 Main Street Lewiston, Maine 04240		TEST PIT LOG		Test Pit # TP-7
		Project: 144 Montello Street Lewiston, Maine		Project # 16813
Contractor: Morin Enterprises		Location: 25' southeast of TP-6. Within proposed parking area.		
Equipment: Excavator				
Summit Staff: Ronnie Mocchiola		Date: July 23, 2009	Weather: Clear Sunny	
Depth (ft)	DESCRIPTION			
	SOIL DESCRIPTION	STRATUM	PID Reading (PPMV)	
1	Brown silty-Sand and Clay and Gravel	FILL		
2				
3			1.5' = 0.8 ppmv	
4	4-6" layer of granular Sand (water)	Granular Sand 3.5'	3' = 4.7 ppmv	
5	Brown silty Clay	SILT AND CLAY		
6	Bottom of test pit at 5.5' below ground surface (bgs) (encountered water)			
7				
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14				
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16				
17				
18				
Notes:				

Appendix C

Soil Sample Results

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@maine.rr.com

Mike Deyling
Summit Environmental Consultants, Inc.
640 Main Street
Lewiston, ME 04240

August 04, 2009
Page 1 of 5

Report No.: SME833-09

Enclosed are the results of the analyses requested on your samples as received by the laboratory. Samples were received in acceptable condition and analyzed within method holding times with all quality control data within laboratory acceptance limits unless noted. Reporting detection limits are the minimum levels for reporting quantitative data. These limits are 3.18 times the method detection limit as defined in CFR 40 Part 136, Appendix B. Data reported between the reporting and method detection limits are J flagged (estimated). Maine Environmental Laboratory is certified by Maine (cert. #200904) and New Hampshire NELAP (NHELAP) (cert. #2031). A list of certified parameters is available on request. The results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the report. This report shall not be reproduced, except in full, without the written consent of the laboratory.

The complete report consists of the following sections:

Maine Environmental Laboratory report
Chain of custody form
Analytics Environmental Laboratory report

References

EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.
SW8 - SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition, 1986.
STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA, AWWA, WPCF, 1992.
CLP - USEPA CLP Statement of Work for Inorganics, ILMO3.0.
AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature _____

Herbert S. Kodis, laboratory director

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@maine.rr.com

Mike Deyling
Summit Environmental Consultants, Inc.
640 Main Street
Lewiston, ME 04240

Page 2 of 5

August 04, 2009

Report No:	SME833-09	Sampler:	R. Mocchiola
Date received:	07/24/09	Sampling date:	07/23/09
Project ID:	144 Montello Phase II	Sample matrix:	Soil
Laboratory ID:	SME83309-01	Sample ID:	TP 2B

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method	Reporting	Method	Reference
				Detection Limit	Detection Limit		
Arsenic, total	12.3	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Barium, total	66	mg/kg	08/03/09	1	4	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Chromium, total	34	mg/kg	08/03/09	1	4	3050B/6010B	SW8
Lead, total	12	mg/kg	08/03/09	1	4	3050B/6010B	SW8
Mercury, total	0.09	mg/kg	08/04/09	0.02	0.06	7471A	SW8
Selenium, total	3.4	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Silver, total	ND	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Total Solids	80.44	%	07/28/09	0.01		CLP 4F	CLP

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@maine.rr.com

Mike Deyling
Summit Environmental Consultants, Inc.
640 Main Street
Lewiston, ME 04240

Page 3 of 5

August 04, 2009

Report No:	SME833-09	Sampler:	R. Mocchiola
Date received:	07/24/09	Sampling date:	07/23/09
Project ID:	144 Montello Phase II	Sample matrix:	Soil
Laboratory ID:	SME83309-02	Sample ID:	TP 3A

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method	Reporting	Method	Reference
				Detection Limit	Detection Limit		
Arsenic, total	11.5	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Barium, total	52	mg/kg	08/03/09	1	4	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Chromium, total	28	mg/kg	08/03/09	1	4	3050B/6010B	SW8
Lead, total	16	mg/kg	08/03/09	1	4	3050B/6010B	SW8
Mercury, total	0.05 J	mg/kg	08/04/09	0.02	0.06	7471A	SW8
Selenium, total	2.9	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Silver, total	ND	mg/kg	08/03/09	0.4	1.2	3050B/6010B	SW8
Total Solids	80.93	%	07/28/09	0.01		CLP 4F	CLP

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 64386

Revision: Rev. 0

Re: SME 833-09

Enclosed are the results of the analyses on your sample(s). Samples were received on 24 July 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

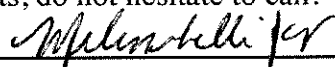
<u>Lab Number</u>	<u>Sample Date</u>	<u>Station Location</u>	<u>Analysis</u>	<u>Comments</u>
64386-1	07/23/09	TP 2-B	EPA 8260 Volatile Organics	
	07/23/09	TP 2-B	EPA 8270 Acid/Base Neutrals	
64386-2	07/23/09	TP 3A	EPA 8260 Volatile Organics	
	07/23/09	TP 3A	EPA 8270 Acid/Base Neutrals	
64386-3	07/23/09	TP-5A	EPA 8260 Volatile Organics	
	07/23/09	TP-5A	EPA 8270 Acid/Base Neutrals	
64386-4	07/23/09	TP-6A	EPA 8260 Volatile Organics	
	07/23/09	TP-6A	EPA 8270 Acid/Base Neutrals	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature


Stephen L. Knollmeyer Lab. Director

Date

08/05/09

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

August 3, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP 2-B

Lab Sample ID: 64386-1
Matrix: Solid
Percent Solid: 81
Dilution Factor: 125
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Analysis Date: 07/27/09

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit $\mu\text{g/kg}$	Result $\mu\text{g/kg}$	COMPOUND	Quantitation Limit $\mu\text{g/kg}$	Result $\mu\text{g/kg}$
Benzene	125	U	1,3-Dichloropropane	125	U
Bromobenzene	125	U	cis-1,3-Dichloropropene	125	U
Bromochloromethane	125	U	trans-1,3-Dichloropropene	125	U
Bromodichloromethane	94	U	2,2-Dichloropropane	125	U
Bromoform	94	U	1,1-Dichloropropene	125	U
Bromomethane	125	U	Ethylbenzene	125	U
n-butylbenzene	125	U	Hexachlorobutadiene	125	U
sec-butylbenzene	125	U	Isopropylbenzene	125	U
tert-butylbenzene	125	U	p-isopropyltoluene	125	U
Carbon Tetrachloride	125	U	Methylene Chloride	625	U
Chlorobenzene	125	U	Methyl-tert-butyl ether (MTBE)	94	U
Chloroethane	125	U	Naphthalene	125	U
Chloroform	94	U	n-Propylbenzene	125	U
Chloromethane	125	U	Styrene	125	U
2-Chlorotoluene	125	U	1,1,1,2-Tetrachloroethane	125	U
4-Chlorotoluene	125	U	1,1,2,2-Tetrachloroethane	94	U
Dibromochloromethane	94	U	Tetrachloroethene	125	U
1,2-Dibromo-3-chloropropane	125	U	Toluene	125	U
1,2-Dibromoethane	94	U	1,2,3-Trichlorobenzene	125	U
Dibromomethane	125	U	1,2,4-Trichlorobenzene	125	U
1,2-Dichlorobenzene	125	U	1,1,1-Trichloroethane	125	U
1,3-Dichlorobenzene	125	U	1,1,2-Trichloroethane	94	U
1,4-Dichlorobenzene	125	U	Trichloroethene	125	U
Dichlorodifluoromethane	125	U	Trichlorofluoromethane	125	U
1,1-Dichloroethane	125	U	1,2,3-Trichloropropane	125	U
1,2-Dichloroethane	94	U	1,2,4-Trimethylbenzene	125	U
1,1-Dichloroethene	94	U	1,3,5-Trimethylbenzene	125	U
cis-1,2-Dichloroethene	125	U	Vinyl Chloride	125	U
trans-1,2-Dichloroethene	125	U	o-Xylene	125	U
1,2-Dichloropropane	94	U	m,p-Xylene	125	U
Acetone	1250	U	Diethyl ether	125	U
Carbon Disulfide	125	U	2-Hexanone	1250	U
Tetrahydrofuran	625	U	Methyl isobutyl ketone	1250	U
Methyl ethyl ketone	1250	U	Di-isopropyl ether (DIPE)	125	U
t-Butyl alcohol (TBA)	2500	U	Ethyl t-butyl ether (ETBE)	125	U
t-Amyl methyl ether (TAME)	125	U	1,3,5-Trichlorobenzene	125	U
Surrogate Standard Recovery					
d4-1,2-Dichloroethane	87 %		d8-Toluene	84 %	
			Bromofluorobenzene	86 %	
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

August 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP 2-B

Lab Sample ID: 64386-1
Matrix: Solid
Percent Solid: 81
Dilution Factor: 1.2
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Extraction Date: 07/31/09
Analysis Date: 08/02/09

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	420	U	Pentachlorophenol	840	U
4-Chloro-3-methylphenol	840	U	Phenol	840	U
2,4-Dichlorophenol	420	U	2,4,5-Trichlorophenol	600	U
2,4-Dimethylphenol	420	U	2,4,6-Trichlorophenol	420	U
2,4-dinitrophenol	840	U	Benzoic Acid	1200	U
4,6-Dinitro-2-methylphenol	840	U	2-Methylphenol	840	U
2-Nitrophenol	840	U	3+4-Methylphenol	840	U
2,6-Dichlorophenol	600	U	Benzyl Alcohol	840	U
4-Nitrophenol	840	U	2,3,4,6-Tetrachlorophenol	840	U
Acid Surrogate Standard Recovery					
2-Fluorophenol	57 %	d5-Phenol	61 %	2,4,6-Tribromophenol	76 %
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	600	U	Hexachlorobenzene	420	U
1,3-Dichlorobenzene	600	U	* Benzdine	600	U
1,4-Dichlorobenzene	420	U	3,3'-Dichlorobenzidine	600	U
2,4-Dinitrotoluene	420	U	Azobenzene	600	U
2,6-Dinitrotoluene	600	U	Bis(2-chloroethoxy)methane	600	U
Nitrobenzene	600	U	bis(2-chloroethyl) ether	420	U
Hexachlorobutadiene	600	U	bis(2-chloroisopropyl)ether	420	U
Dimethyl Phthalate	600	U	4-bromophenyl phenyl ether	600	U
Di-n-butyl phthalate	600	U	Butyl benzyl phthalate	600	U
di-n-octyl-phthalate	600	U	4-Chlorophenyl phenyl ether	600	U
Bis (2-ethylhexyl) phthalate	600	U	Diethyl Phthalate	600	U
1,2,4-Trichlorobenzene	600	U	Hexachlorocyclopentadiene	600	U
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature

M. J. Bull

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

August 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP 2-B

Lab Sample ID: 64386-1

Matrix: Solid

Percent Solid: 81

Dilution Factor: 1.2

Collection Date: 07/23/09

Lab Receipt Date: 07/24/09

Extraction Date: 07/31/09

Analysis Date: 08/02/09

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	320	U	N-nitrosodimethylamine	600	U
Acenaphthylene	320	U	N-nitroso-di-n-propylamine	600	U
Anthracene	320	U	n-nitrosodiphenylamine	600	U
Benzo[a]anthracene	320	U	Pyridine	600	U
Benzo[a] pyrene	320	163 J	2-Methylnaphthalene	320	U
Benzo[b] fluoranthene	320	222 J	2-Chloronaphthalene	320	U
Benzo[k] fluoranthene	320	U	Naphthalene	320	U
Benzo(g,h,i) perylene	320	U	Phenanthrene	320	U
Chrysene	320	160 J	Dibenzofuran	320	U
Dibenz [a,h] anthracene	320	U	Aniline	600	U
Fluoranthene	320	277 J	4-Chloroaniline	600	U
Fluorene	320	U	2-Nitroaniline	600	U
Indeno [1,2,3-cd] pyrene	320	U	3-Nitroaniline	600	U
Pyrene	320	286 J	4-Nitroaniline	600	U
Hexachloroethane	420	U	Carbazole	320	U
Isophorone	600	U			
Base Neutral Surrogate Standard Recovery					
2-Fluorobiphenyl	66	%	d5-nitrobenzene	64	%
			d14-p-terphenyl	68	%
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

M. Leibel

Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

August 3, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP 3A

Lab Sample ID: 64386-2
Matrix: Solid
Percent Solid: 80
Dilution Factor: 118
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Analysis Date: 07/27/09

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	118	U	1,3-Dichloropropane	118	U
Bromobenzene	118	U	cis-1,3-Dichloropropene	118	U
Bromochloromethane	118	U	trans-1,3-Dichloropropene	118	U
Bromodichloromethane	89	U	2,2-Dichloropropane	118	U
Bromoform	89	U	1,1-Dichloropropene	118	U
Bromomethane	118	U	Ethylbenzene	118	U
n-butylbenzene	118	U	Hexachlorobutadiene	118	U
sec-butylbenzene	118	U	Isopropylbenzene	118	U
tert-butylbenzene	118	U	p-isopropyltoluene	118	U
Carbon Tetrachloride	118	U	Methylene Chloride	591	U
Chlorobenzene	118	U	Methyl-tert-butyl ether (MTBE)	89	U
Chloroethane	118	U	Naphthalene	118	U
Chloroform	89	U	n-Propylbenzene	118	U
Chloromethane	118	U	Styrene	118	U
2-Chlorotoluene	118	U	1,1,1,2-Tetrachloroethane	118	U
4-Chlorotoluene	118	U	1,1,2,2-Tetrachloroethane	89	U
Dibromochloromethane	89	U	Tetrachloroethene	118	U
1,2-Dibromo-3-chloropropane	118	U	Toluene	118	U
1,2-Dibromoethane	89	U	1,2,3-Trichlorobenzene	118	U
Dibromomethane	118	U	1,2,4-Trichlorobenzene	118	U
1,2-Dichlorobenzene	118	U	1,1,1-Trichloroethane	118	U
1,3-Dichlorobenzene	118	U	1,1,2-Trichloroethane	89	U
1,4-Dichlorobenzene	118	U	Trichloroethene	118	U
Dichlorodifluoromethane	118	U	Trichlorofluoromethane	118	U
1,1-Dichloroethane	118	U	1,2,3-Trichloropropane	118	U
1,2-Dichloroethane	89	U	1,2,4-Trimethylbenzene	118	U
1,1-Dichloroethene	89	U	1,3,5-Trimethylbenzene	118	U
cis-1,2-Dichloroethene	118	U	Vinyl Chloride	118	U
trans-1,2-Dichloroethene	118	U	o-Xylene	118	U
1,2-Dichloropropane	89	U	m,p-Xylene	118	U
Acetone	1180	U	Diethyl ether	118	U
Carbon Disulfide	118	U	2-Hexanone	1180	U
Tetrahydrofuran	591	U	Methyl isobutyl ketone	1180	U
Methyl ethyl ketone	1180	U	Di-isopropyl ether (DIPE)	118	U
t-Butyl alcohol (TBA)	2370	U	Ethyl t-butyl ether (ETBE)	118	U
t-Amyl methyl ether (TAME)	118	U	1,3,5-Trichlorobenzene	118	U
Surrogate Standard Recovery					
d4-1,2-Dichloroethane	84 %	d8-Toluene	80 %	Bromofluorobenzene	85 %
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

M. J. Bell

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August 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP 3A

Lab Sample ID: 64386-2
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Extraction Date: 07/31/09
Analysis Date: 08/02/09

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	430	U	Pentachlorophenol	850	U
4-Chloro-3-methylphenol	850	U	Phenol	850	U
2,4-Dichlorophenol	430	U	2,4,5-Trichlorophenol	610	U
2,4-Dimethylphenol	430	U	2,4,6-Trichlorophenol	430	U
2,4-dinitrophenol	850	U	Benzoic Acid	1200	U
4,6-Dinitro-2-methylphenol	850	U	2-Methylphenol	850	U
2-Nitrophenol	850	U	3+4-Methylphenol	850	U
2,6-Dichlorophenol	610	U	Benzyl Alcohol	850	U
4-Nitrophenol	850	U	2,3,4,6-Tetrachlorophenol	850	U
Acid Surrogate Standard Recovery					
2-Fluorophenol	59 %	d5-Phenol	60 %	2,4,6-Tribromophenol	72 %
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	610	U	Hexachlorobenzene	430	U
1,3-Dichlorobenzene	610	U	* Benidine	610	U
1,4-Dichlorobenzene	430	U	3,3'-Dichlorobenzidine	610	U
2,4-Dinitrotoluene	430	U	Azobenzene	610	U
2,6-Dinitrotoluene	610	U	Bis(2-chloroethoxy)methane	610	U
Nitrobenzene	610	U	bis(2-chloroethyl) ether	430	U
Hexachlorobutadiene	610	U	bis(2-chloroisopropyl)ether	430	U
Dimethyl Phthalate	610	U	4-bromophenyl phenyl ether	610	U
Di-n-butyl phthalate	610	U	Butyl benzyl phthalate	610	U
di-n-octyl-phthalate	610	U	4-Chlorophenyl phenyl ether	610	U
Bis (2-ethylhexyl) phthalate	610	U	Diethyl Phthalate	610	U
1,2,4-Trichlorobenzene	610	U	Hexachlorocyclopentadiene	610	U
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature

M. Schull

Mr. Herb Kodis
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August 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP 3A

Lab Sample ID: 64386-2

Matrix: Solid

Percent Solid: 80

Dilution Factor: 1.2

Collection Date: 07/23/09

Lab Receipt Date: 07/24/09

Extraction Date: 07/31/09

Analysis Date: 08/02/09

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	330	U	N-nitrosodimethylamine	610	U
Acenaphthylene	330	U	N-nitroso-di-n-propylamine	610	U
Anthracene	330	U	n-nitrosodiphenylamine	610	U
Benzo[a]anthracene	330	U	Pyridine	610	U
Benzo[a] pyrene	330	U	2-Methylnaphthalene	330	U
Benzo[b] fluoranthene	330	174 J	2-Chloronaphthalene	330	U
Benzo[k] fluoranthene	330	U	Naphthalene	330	U
Benzo(g,h,i) perylene	330	U	Phenanthrene	330	U
Chrysene	330	U	Dibenzofuran	330	U
Dibenz [a,h] anthracene	330	U	Aniline	610	U
Fluoranthene	330	264 J	4-Chloroaniline	610	U
Fluorene	330	U	2-Nitroaniline	610	U
Indeno [1,2,3-cd] pyrene	330	U	3-Nitroaniline	610	U
Pyrene	330	307 J	4-Nitroaniline	610	U
Hexachloroethane	430	U	Carbazole	330	U
Isophorone	610	U			
Base Neutral Surrogate Standard Recovery					
2-Fluorobiphenyl	66 %	d5-nitrobenzene	63 %	d14-p-terphenyl	70 %
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

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August 3, 2009

SAMPLE DATA

CLIENT SAMPLE ID
Project Name: SME 833-09
Project Number:
Field Sample ID: TP-5A

Lab Sample ID: 64386-3
Matrix: Solid
Percent Solid: 82
Dilution Factor: 108
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Analysis Date: 07/29/09

ANALYTICAL RESULTS VOLATILE ORGANICS					
COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	108	U	1,3-Dichloropropane	108	U
Bromobenzene	108	U	cis-1,3-Dichloropropene	108	U
Bromochloromethane	108	U	trans-1,3-Dichloropropene	108	U
Bromodichloromethane	81	U	2,2-Dichloropropane	108	U
Bromoform	81	U	1,1-Dichloropropene	108	U
Bromomethane	108	U	Ethylbenzene	108	U
n-butylbenzene	108	U	Hexachlorobutadiene	108	U
sec-butylbenzene	108	U	Isopropylbenzene	108	U
tert-butylbenzene	108	U	p-isopropyltoluene	108	U
Carbon Tetrachloride	108	U	Methylene Chloride	542	U
Chlorobenzene	108	U	Methyl-tert-butyl ether (MTBE)	81	U
Chloroethane	108	U	Naphthalene	108	U
Chloroform	81	U	n-Propylbenzene	108	U
Chloromethane	108	U	Styrene	108	U
2-Chlorotoluene	108	U	1,1,1,2-Tetrachloroethane	108	U
4-Chlorotoluene	108	U	1,1,2,2-Tetrachloroethane	81	U
Dibromochloromethane	81	U	Tetrachloroethene	108	U
1,2-Dibromo-3-chloropropane	108	U	Toluene	108	U
1,2-Dibromoethane	81	U	1,2,3-Trichlorobenzene	108	U
Dibromomethane	108	U	1,2,4-Trichlorobenzene	108	U
1,2-Dichlorobenzene	108	U	1,1,1-Trichloroethane	108	U
1,3-Dichlorobenzene	108	U	1,1,2-Trichloroethane	81	U
1,4-Dichlorobenzene	108	U	Trichloroethene	108	U
Dichlorodifluoromethane	108	U	Trichlorofluoromethane	108	U
1,1-Dichloroethane	108	U	1,2,3-Trichloropropane	108	U
1,2-Dichloroethane	81	U	1,2,4-Trimethylbenzene	108	U
1,1-Dichloroethene	81	U	1,3,5-Trimethylbenzene	108	U
cis-1,2-Dichloroethene	108	U	Vinyl Chloride	108	U
trans-1,2-Dichloroethene	108	U	o-Xylene	108	U
1,2-Dichloropropane	81	U	m,p-Xylene	108	U
Acetone	1080	U	Diethyl ether	108	U
Carbon Disulfide	108	U	2-Hexanone	1080	U
Tetrahydrofuran	542	U	Methyl isobutyl ketone	1080	U
Methyl ethyl ketone	1080	U	Di-isopropyl ether (DIPE)	108	U
t-Butyl alcohol (TBA)	2170	U	Ethyl t-butyl ether (ETBE)	108	U
t-Amyl methyl ether (TAME)	108	U	1,3,5-Trichlorobenzene	108	U
Surrogate Standard Recovery					
d4-1,2-Dichloroethane	74 %	d8-Toluene	73 %	Bromofluorobenzene	76 %
U=Undetected	J=Estimated	E=Exceeds Calibration Range	B=Detected in Blank		

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

August 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:


Field Sample ID: TP-5A

Lab Sample ID: 64386-3
Matrix: Solid
Percent Solid: 82
Dilution Factor: 1.2
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Extraction Date: 07/31/09
Analysis Date: 08/02/09

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	420	U	Pentachlorophenol	840	U
4-Chloro-3-methylphenol	840	U	Phenol	840	U
2,4-Dichlorophenol	420	U	2,4,5-Trichlorophenol	600	U
2,4-Dimethylphenol	420	U	2,4,6-Trichlorophenol	420	U
2,4-dinitrophenol	840	U	Benzoic Acid	1200	U
4,6-Dinitro-2-methylphenol	840	U	2-Methylphenol	840	U
2-Nitrophenol	840	U	3+4-Methylphenol	840	U
2,6-Dichlorophenol	600	U	Benzyl Alcohol	840	U
4-Nitrophenol	840	U	2,3,4,6-Tetrachlorophenol	840	U
Acid Surrogate Standard Recovery					
2-Fluorophenol	62 %	d5-Phenol	64 %	2,4,6-Tribromophenol	70 %
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	600	U	Hexachlorobenzene	420	U
1,3-Dichlorobenzene	600	U	* Benzidine	600	U
1,4-Dichlorobenzene	420	U	3,3'-Dichlorobenzidine	600	U
2,4-Dinitrotoluene	420	U	Azobenzene	600	U
2,6-Dinitrotoluene	600	U	Bis(2-chloroethoxy)methane	600	U
Nitrobenzene	600	U	bis(2-chloroethyl) ether	420	U
Hexachlorobutadiene	600	U	bis(2-chloroisopropyl)ether	420	U
Dimethyl Phthalate	600	U	4-bromophenyl phenyl ether	600	U
Di-n-butyl phthalate	600	U	Butyl benzyl phthalate	600	U
di-n-octyl-phthalate	600	U	4-Chlorophenyl phenyl ether	600	U
Bis (2-ethylhexyl) phthalate	600	U	Diethyl Phthalate	600	U
1,2,4-Trichlorobenzene	600	U	Hexachlorocyclopentadiene	600	U
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature 

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August 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP-5A

Lab Sample ID: 64386-3

Matrix: Solid

Percent Solid: 82

Dilution Factor: 1.2

Collection Date: 07/23/09

Lab Receipt Date: 07/24/09

Extraction Date: 07/31/09

Analysis Date: 08/02/09

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	320	U	N-nitrosodimethylamine	600	U
Acenaphthylene	320	196 J	N-nitroso-di-n-propylamine	600	U
Anthracene	320	203 J	n-nitrosodiphenylamine	600	U
Benzo[a]anthracene	320	237 J	Pyridine	600	U
Benzo[a] pyrene	320	226 J	2-Methylnaphthalene	320	U
Benzo[b] fluoranthene	320	283 J	2-Chloronaphthalene	320	U
Benzo[k] fluoranthene	320	U	Naphthalene	320	718
Benzo(g,h,i) perylene	320	U	Phenanthrene	320	593
Chrysene	320	225 J	Dibenzofuran	320	U
Dibenz [a,h] anthracene	320	U	Aniline	600	U
Fluoranthene	320	581	4-Chloroaniline	600	U
Fluorene	320	U	2-Nitroaniline	600	U
Indeno [1,2,3-cd] pyrene	320	U	3-Nitroaniline	600	U
Pyrene	320	582	4-Nitroaniline	600	U
Hexachloroethane	420	U	Carbazole	320	U
Isophorone	600	U			
Base Neutral Surrogate Standard Recovery					
2-Fluorobiphenyl	66 %	d5-nitrobenzene	64 %	d14-p-terphenyl	72 %
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

Mr. Herb Kodis
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August 3, 2009

SAMPLE DATA

CLIENT SAMPLE ID
Project Name: SME 833-09
Project Number:
Field Sample ID: TP-6A

Lab Sample ID: 64386-4
Matrix: Solid
Percent Solid: 84
Dilution Factor: 113
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Analysis Date: 07/27/09

ANALYTICAL RESULTS VOLATILE ORGANICS					
COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	113	U	1,3-Dichloropropane	113	U
Bromobenzene	113	U	cis-1,3-Dichloropropene	113	U
Bromochloromethane	113	U	trans-1,3-Dichloropropene	113	U
Bromodichloromethane	85	U	2,2-Dichloropropane	113	U
Bromoform	85	U	1,1-Dichloropropene	113	U
Bromomethane	113	U	Ethylbenzene	113	U
n-butylbenzene	113	U	Hexachlorobutadiene	113	U
sec-butylbenzene	113	U	Isopropylbenzene	113	U
tert-butylbenzene	113	U	p-isopropyltoluene	113	U
Carbon Tetrachloride	113	U	Methylene Chloride	564	U
Chlorobenzene	113	U	Methyl-tert-butyl ether (MTBE)	85	U
Chloroethane	113	U	Naphthalene	113	U
Chloroform	85	U	n-Propylbenzene	113	U
Chloromethane	113	U	Styrene	113	U
2-Chlorotoluene	113	U	1,1,1,2-Tetrachloroethane	113	U
4-Chlorotoluene	113	U	1,1,2,2-Tetrachloroethane	85	U
Dibromochloromethane	85	U	Tetrachloroethene	113	U
1,2-Dibromo-3-chloropropane	113	U	Toluene	113	U
1,2-Dibromoethane	85	U	1,2,3-Trichlorobenzene	113	U
Dibromomethane	113	U	1,2,4-Trichlorobenzene	113	U
1,2-Dichlorobenzene	113	U	1,1,1-Trichloroethane	113	U
1,3-Dichlorobenzene	113	U	1,1,2-Trichloroethane	85	U
1,4-Dichlorobenzene	113	U	Trichloroethene	113	U
Dichlorodifluoromethane	113	U	Trichlorofluoromethane	113	U
1,1-Dichloroethane	113	U	1,2,3-Trichloropropane	113	U
1,2-Dichloroethane	85	U	1,2,4-Trimethylbenzene	113	U
1,1-Dichloroethene	85	U	1,3,5-Trimethylbenzene	113	U
cis-1,2-Dichloroethene	113	U	Vinyl Chloride	113	U
trans-1,2-Dichloroethene	113	U	o-Xylene	113	U
1,2-Dichloropropane	85	U	m,p-Xylene	113	U
Acetone	1130	U	Diethyl ether	113	U
Carbon Disulfide	113	U	2-Hexanone	1130	U
Tetrahydrofuran	564	U	Methyl isobutyl ketone	1130	U
Methyl ethyl ketone	1130	U	Di-isopropyl ether (DIPE)	113	U
t-Butyl alcohol (TBA)	2260	U	Ethyl t-butyl ether (ETBE)	113	U
t-Amyl methyl ether (TAME)	113	U	1,3,5-Trichlorobenzene	113	U
Surrogate Standard Recovery					
d4-1,2-Dichloroethane	85 %		d8-Toluene	83 %	
			Bromofluorobenzene	85 %	
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

August 5, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

Project Number:

Field Sample ID: TP-6A

Lab Sample ID: 64386-4 RX
Matrix: Solid
Percent Solid: 84
Dilution Factor: 1.2
Collection Date: 07/23/09
Lab Receipt Date: 07/24/09
Extraction Date: 08/04/09
Analysis Date: 08/05/09

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	410	U	Pentachlorophenol	830	U
4-Chloro-3-methylphenol	830	U	Phenol	830	U
2,4-Dichlorophenol	410	U	2,4,5-Trichlorophenol	590	U
2,4-Dimethylphenol	410	U	2,4,6-Trichlorophenol	410	U
2,4-dinitrophenol	830	U	Benzoic Acid	1200	U
4,6-Dinitro-2-methylphenol	830	U	2-Methylphenol	830	U
2-Nitrophenol	830	U	3+4-Methylphenol	830	U
2,6-Dichlorophenol	590	U	Benzyl Alcohol	830	U
4-Nitrophenol	830	U	2,3,4,6-Tetrachlorophenol	830	U
Acid Surrogate Standard Recovery					
2-Fluorophenol	49 %	d5-Phenol	54 %	2,4,6-Tribromophenol	68 %
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	590	U	Hexachlorobenzene	410	U
1,3-Dichlorobenzene	590	U	* Benzidine	590	U
1,4-Dichlorobenzene	410	U	3,3'-Dichlorobenzidine	590	U
2,4-Dinitrotoluene	410	U	Azobenzene	590	U
2,6-Dinitrotoluene	590	U	Bis(2-chloroethoxy)methane	590	U
Nitrobenzene	590	U	bis(2-chloroethyl) ether	410	U
Hexachlorobutadiene	590	U	bis(2-chloroisopropyl)ether	410	U
Dimethyl Phthalate	590	U	4-bromophenyl phenyl ether	590	U
Di-n-butyl phthalate	590	U	Butyl benzyl phthalate	590	U
di-n-octyl-phthalate	590	U	4-Chlorophenyl phenyl ether	590	U
Bis (2-ethylhexyl) phthalate	590	U	Diethyl Phthalate	590	U
1,2,4-Trichlorobenzene	590	U	Hexachlorocyclopentadiene	590	U
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

August 5, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 833-09

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Field Sample ID: TP-6A

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PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS					
BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	320	U	N-nitrosodimethylamine	590	U
Acenaphthylene	320	U	N-nitroso-di-n-propylamine	590	U
Anthracene	320	U	n-nitrosodiphenylamine	590	U
Benzo[a]anthracene	320	U	Pyridine	590	U
Benzo[a] pyrene	320	U	2-Methylnaphthalene	320	U
Benzo[b] fluoranthene	320	U	2-Chloronaphthalene	320	U
Benzo[k] fluoranthene	320	U	Naphthalene	320	U
Benzo(g,h,i) perylene	320	U	Phenanthrene	320	U
Chrysene	320	U	Dibenzofuran	320	U
Dibenz [a,h] anthracene	320	U	Aniline	590	U
Fluoranthene	320	200 J	4-Chloroaniline	590	U
Fluorene	320	U	2-Nitroaniline	590	U
Indeno [1,2,3-cd] pyrene	320	U	3-Nitroaniline	590	U
Pyrene	320	273 J	4-Nitroaniline	590	U
Hexachloroethane	410	U	Carbazole	320	U
Isophorone	590	U			
Base Neutral Surrogate Standard Recovery					
2-Fluorobiphenyl	54 %	d5-nitrobenzene	49 %	d14-p-terphenyl	61 %
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in					

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Results are expressed on a dry weight basis.

[Signature]

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e-mail: melab@maine.rr.com

TELEPHONE

FAX # / E-MAIL

M. Deyling
COMPANY

COMPANY

PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME

SAMPLER NAME

5ME833-09

R. Macciola

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION		SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING	
			YES	NO					DATE	TIME
P-2-B	2	VGA		X	Soil	X		DWASH/E6C D E6C	7/23/09	0900
"	1	BZ		X		X		E6C		"
P-3A	2	VGA		X		X		DWASH/E6C D E6C	09/15	
"	1	BZ		X		X		E6C		"
P-5A	2	VGA		X		X		DWASH/E6C D E6C	09/15	
"	1	BZ		X		X		E6C		"
P-6A	2	VGA		X		X		DWASH/E6C D E6C	1000	
"	1	BZ		X	↓	X		E6C	↓	"

Analytics Report 64386 page 0014 of 14

Received within hold time

Received in good condition

Temp. Blank °C

Samples received preserved

RELINQUISHED BY SAMPLER:

RELINQUISHED BY:

RELINQUISHED BY:

DATE _____

TIME 1:36

TIME

RECEIVED BY:

RECEIVED BY:

RECEIVED BY LABORATORY:

COC-04 / 117M

page _____ of _____